AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

- 1. (Original) A substrate for device bonding, comprising a substrate having an Au electrode layer formed on its surface, wherein (i) a layer composed of a platinum group element, (ii) a layer composed of at least one transition metal element selected from the group consisting of Ti, V, Cr and Co, (iii) a barrier metal layer composed of at least one metal selected from the group consisting of Ag, Cu and Ni and (iv) a solder layer composed of a solder containing Sn or In as a main component are laminated in this order on the Au electrode layer.
- 2. (Original) The substrate for device bonding as claimed in claim 1, wherein the solder layer (iv) is composed of a solder containing Sn or In as a main component and having an Au content of less than 20% by weight.
- 3. (Currently Amended) The substrate for device bonding as claimed in claim 1-or 2, wherein the substrate having an Au electrode layer on its surface is a metallized substrate in which a first undercoating metal layer containing Ti as a main component, a second undercoating metal layer containing Pt as a main component and an electrode layer composed of Au are laminated in this order on a ceramic substrate containing aluminum nitride as a main component.
- 4. (Original) A process for producing a substrate for device bonding, comprising forming (i) a layer composed of a platinum group element, (ii) a layer composed of at least one transition metal element selected from the group consisting of Ti, V, Cr and Co, (iii) a barrier metal layer composed of at least one metal selected from the group consisting of Ag, Cu and Ni and (iv) a solder layer composed of a solder containing Sn or In

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as a main component in this order on an Au electrode layer which is formed on a surface of a substrate.

- 5. (Original) The process for producing a substrate for device bonding as claimed in claim 4, wherein the solder layer (iv) is composed of a solder containing Sn or In as a main component and having an Au content of less than 20% by weight.
- 6. (Currently Amended) A substrate for device bonding, which is produced by the process of claim 4-or 5.
- 7. (Original) A process for producing a device-bonded substrate, comprising placing a device with an electrode on the solder layer of the substrate for device bonding of claim 1 in such a manner that the electrode is brought into contact with the solder layer and then reflow soldering is applied to the device.
- 8. (Original) A device-bonded substrate, which is produced by the process of claim 7.
- 9. (New) The substrate for device bonding as claimed in claim 2, wherein the substrate having an Au electrode layer on its surface is a metallized substrate in which a first undercoating metal layer containing Ti as a main component, a second undercoating metal layer containing Pt as a main component and an electrode layer composed of Au are laminated in this order on a ceramic substrate containing aluminum nitride as a main component.
- 10. (New) A substrate for device bonding, which is produced by the process of claim 5.